THE 8049 IS A CESIUM-ANTIMONY TYPE HEAD-ON PHOTO DIODE. IT IS DESIGNED FOR OPERATION AT LOW LIGHT LEVELS AND AT LOW APPLIED VOLTAGES. ITS CURRENT-VOLTAGE CHARACTERISTICS SHOW SATURATION AT VERY LOW KNEE VOLTAGES. THIS PERMITS THE TUBE TO BE USED DIRECTLY WITH EITHER ELECTRON TUBES OR SEMICONDUCTOR DEVICES. CATHODE AND ANODE CONNECTIONS ARE THROUGH FLYING LEADS AT THE BOTTOM.

GENERAL

SPECTRAL RESPONSE
WAVELENGTH OF MAXIMUM RESPONSE
DIRECT INTERELECTRODE CAPACITANCE

RATINGS

MAXIMUM ANODE SUPPLY VOLTAGE (DC OR PEAK AC)
MAXIMUM PEAK CATHODE CURRENT
MAXIMUM PEAK CATHODE CURRENT DENSITY
MAXIMUM AVERAGE CATHODE CURRENT
MAXIMUM AMBIENT TEMPERATURE

CHARACTERISTICS

DARK CURRENT AT 25 VOLTS, 27°C
LUMINOUS SENSITIVITY

--- Indicates a change.
8049
AVERAGE CHARACTERISTICS

CURRENT MICROAMPERES

VOLTAGE

VOLTS

LIGHT FLUX = 0.1 LUMEN

0.08

0.06

0.04

0.02